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Technology Center 2600

Patent Application
U.S. Serial No. 09/493,487
Docket No. 34648-00430USPX

REPLACEMENT PARAGRAPHS - SPECIFICATION

Please replace the paragraph beginning on Page 5, Line 13, with the following paragraph:

B1
The communication system allows mobile user equipments to communicate. A communication system consists at least of at least one access system. An access system consists of at least one access network and at least one core network. An access network consists at least of entities that manage the resources of the access network and provide the user with at least one mechanism to access the core network.

Please replace the paragraph beginning on Page 9, Line 28, with the following paragraph:

B2
In an advantageous implementation of the communication system, the methods, and the mobile user equipment, a Base Station Controller (BSC) and one or more Base Transceiver Stations (BTS) constitute an access network of the communication system. Within an implementation of a Global System for Mobile Communication (GSM) every mobile user, equipment is linked to one Base Transceiver Station (BTS). In other access systems like implementations of a Universal Mobile Telecommunication System (UMTS) each of the mobile user equipments may be in a contact with more than one Base Transceiver Station (BTS).

Please replace the paragraph beginning on Page 33, Line 8, with the following paragraph:

B3 The access network AN sends a capability request CRQ to the core network CN. The core network CN contains a capability analysis element CAE, which performs measurements and/or calculation about capabilities in the network. Thus, the capability analysis element CAE is a means for determining a capability of the network.

Please replace the paragraph beginning on Page 36, Line 25, with the following paragraph:

B4 The access network AN may send a capability request CRQ to core network CN. The core network CN contains a capability analysis element CAE, which performs measurements and/or calculation about capabilities in the network. Thus, the capability analysis element CAE is a means for determining a 30 capability of the network.

Please replace the paragraph beginning on Page 44, Line 6, with the following paragraph:

B5 Preferably, it is evaluated with how many base stations of th first access system the mobile user equipment has contact. If the number is low, especially if the mobile user equipment is connected to only one base station of the first access system an access network AN of the first access system, especially a Universal Mobile Telecommunication System UMTS, decides, whether an

BS intersystem handover should be effected. By this decision that a handover is needed is carried out earlier.

Please replace the paragraph beginning on Page 45, Line 9, with the following paragraph:

BS The core network CN sends a hold order HO to the mobile user equipment MUE. The hold execution element HE puts the requested call on hold and sends a message for hold acceptance HOA to the core network. The sending of the hold order HO and the hold acceptance HOA in the mentioned directions is not part of any GSM standard. However, it is advantageous to inform the mobile user equipment about a communication or communications that are on hold.

Please replace the paragraph beginning on Page 47, Line 31, with the following paragraph:

B7 Preferably, it is evaluated with how many base stations of the first access system the mobile user equipment has contact. If the number is low, especially if the mobile user equipment is connected to only one base station of the first access system an access network AN of the first access system, especially Universal Mobile Telecommunication System UMTS, decides, whether an intersystem handover should be effected. By this 5 decision that a handover is needed is carried out earlier.
